



1004781

Page 1 of 6

MATERIAL SAFETY DATA SHEET

**PUBLIC
DOCUMENT**

VALVTECT A DIVISION OF
KOP-COAT, INC.
3400 DUNDEE ROAD
NORTHBROOK, IL 60062

EMERGENCIES

HEALTH/SPILLS.....: 800-548-0489
CHEMTREC ASSISTANCE: 800-424-9300
CANUTEC.....: 613-996-6666

VALVTECT

PRODUCT INFORMATION: 800-728-8258
OUTSIDE USA.....: 708-272-2278

1 PRODUCT/COMPANY IDENTIFICATION

PRODUCT NAME: Red Dye 164
PRODUCT USE.: Colorant
APPEARANCE..: Dark Red Liquid; aromatic odor
CAS NUMBER..: Mixture

REVISION.....: 1
DATE:.....: 12/14/93
MSDS NUMBER...: VAL039

2 HAZARDOUS INGREDIENTS

<u>HAZARDOUS INGREDIENT/CAS #</u>	<u>% BY WT.</u>	<u>EXPOSURE LIMIT (PPM;MG/M3)</u>		
C.I. Solvent Red 164	65	*		
Xylene CAS #1330-20-7	28	ACGIH-TLV	100	434
		ACGIH-STEL	150	651
		OSHA-TWA	100	435
		OSHA-STEL	150	655
		NIOSH	100	435
		NIOSH-STEL	150	655
Ethyl Benzene CAS #100-41-4	7	ACGIH-TLV	100	434
		ACGIH-STEL	125	543
		OSHA-TWA	100	435
		OSHA-STEL	125	545
		NIOSH	100	435
		NIOSH-STEL	125	545

* None established

3 HAZARDOUS IDENTIFICATION

EYE CONTACT: Causes severe irritation. Vapors and/or mists can cause mild to moderate irritation. The severity of reaction depends on duration of exposure and first aid procedures administered.

Bottoms

**MATERIAL SAFETY DATA SHEET
SILVER EAGLE REFINING, INC.**

CONDENSATE BOTTOMS

MANUFACTURER/SUPPLIER: Silver Eagle Refining, Inc.
P.O. Box 816
Evanston, WY 82931-0816

EMERGENCY HEALTH OR SPILL INFORMATION: 307-789-8770
OTHER PRODUCT SAFETY INFORMATION: 307-789-8770

IMPORTANT COMPONENTS: Heavy Petroleum Non Distillate CAS No. 68553-00-4
No exposure limit established
(Proposed 100 mg/m³ 8 hr TWA)

Contains < 1 weight % H₂S

Contains Other Sulfur Compounds

WARNING STATEMENT: Warning! Combustible. Harmful or fatal if
swallowed and/or aspirated into the lungs.
Can cause skin irritation upon prolonged or
repeated contact.

HMIS/NFPA CODES: Health=2, Flammability=1, Reactivity=0

APPEARANCE AND ODOR: Dark Brown to Green

HEALTH HAZARD INFORMATION

EYE

EFFECT: Irritating to the eyes upon direct contact. Liquid may
cause burning, tearing and redness.

FIRST AID: Flush eyes with plenty of water. Get medical attention
if irritation persists.

PROTECTION: Use of eye protection is good industrial practice.

SKIN

EFFECT: Repeated or prolonged contact can cause skin irritation.
See Toxicology Section.

Bottoms

FIRST AID: Wash exposed skin with soap and water. Remove contaminated clothing, including shoes, and thoroughly clean and dry before reuse. Get medical attention if irritation develops.

PROTECTION: Avoid prolonged or repeated skin contact. Wear protective clothing and gloves if repeated or prolonged contact is likely.

INHALATION

EFFECT: Exposure to fumes generated when this material is heated may cause irritation of the nose, throat and respiratory tract.

FIRST AID: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get medical attention.

PROTECTION: Avoid breathing vapor and/or mist. Use with adequate ventilation. If ventilation is inadequate, use recommended NIOSH/MSHA respirator which will protect against organic vapor/mist.

INGESTION

EFFECT: Low viscosity product. Harmful or fatal if aspirated into lungs.

FIRST AID: If swallowed, **DO NOT INDUCE VOMITING**. Get immediate medical attention.

NOTE TO PHYSICIAN: Gastric lavage using a cuffed endotracheal tube may be used at your discretion.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Pre-existing skin disorders. Chronic Pulmonary disease.

FIRE AND EXPLOSION INFORMATION:

Combustible liquid
Flashpoint = >150 F (PMCC, ASTM D93)
Extinguishing Media: Dry Chemical, Foam, CO2, Water Fog.

Bottoms

**(Do not use spray or a direct stream of water)
For fires involving this material, do not enter any**

enclosed or confined fire space without proper protective equipment, including self contained breathing apparatus.

Precautions: Keep away from ignition sources (e.g., heat and open flames). Keep container closed. Use with adequate ventilation.

Fire Extinguishing Media: Dry Chemical, Foam or Carbon Dioxide and water spray. Water spray or foam may cause frothing.

REACTIVITY INFORMATION:

Reacts vigorously with strong oxidizing agents.

Burning can produce carbon monoxide and/or carbon dioxide and other harmful products.

This material will not polymerize.

CHEMICAL AND PHYSICAL PROPERTIES:

Odor - Petroleum odor

Boiling = Non-Distillable Fraction

Solubility in water = Negligible, below 0.1%

Specific Gravity = (H₂O = 1) 60/60 F = > 0.95

Viscosity = > 400 SSF @ 122 F

Color = Brown to Green

STORAGE AND ENVIRONMENTAL PROTECTION:

Store in combustible liquids area. Store away from heat, ignition sources, and open flame in accordance with applicable federal, state, or local regulations.

For spills and leaks, remove or shut off all sources of ignition. Prevent spreading by diking, ditching, or absorbing on inert materials. Increase ventilation, if possible, keep out of sewers and waterways.

Waste disposal must be in accordance with applicable

Bottoms

federal, state, or local regulations.

Avoid strong oxidizers.

TOXICOLOGICAL INFORMATION

EYE: Primary eye irritation scores for similar materials have ranged from 0.0 to 3.3/10.0 (rabbits)

SKIN: Similar products have produced primary irritation scores ranging from 1.96-6.30/8.0 (rabbits). Dermal LD50 for similar products was greater than 2 g/kg (rabbits).

INHALATION: LC50 for a similar material was greater than 6.4 g/m³ (rats).

INGESTION: Oral LD50 for similar products was greater than 10 g/kg (rats); practically non-toxic for acute exposures by this route.

From skin-painting studies of petroleum distillates of similar composition and distillate range, it has been shown that these types of materials often possess weak carcinogenic activity in laboratory animals. Therefore, there may be a potential risk of skin cancer from prolonged or repeated skin contact with this product in the absence of good personal hygiene. This particular product has not been tested for carcinogenic activity, but we have chosen to be cautious in light of the findings with other distillate streams.

Occasional skin contact with this product is not expected to have serious effects, but good personal hygiene should be practiced and repeated skin contact avoided. This product can also be expected to produce skin irritation upon prolonged or repeated skin contact. Personal hygiene measures taken to prevent skin irritation are expected to be adequate to prevent risk of skin cancer.

Materials of this type have been shown to produce kidney damage in male rats following prolonged inhalation exposures. Following extensive research, this effect appears to be unique to the male rat and is considered to be of little or no relevance in terms of human health risk.

Aspiration of this product into the lungs can cause chemical pneumonia and can be fatal. Aspiration into the lungs can occur while vomiting after ingestion of this product. Do not siphon by mouth.

This product has a sufficiently low vapor pressure to prevent a hazardous buildup of vapors unless the product is heated, used in a confined space with inadequate ventilation or misted. Inhalation of mist or high concentrations of vapor can produce dizziness, headache, and nausea and possible irritation of the eye, nose and throat.

Misuse of EMPTY TANKS AND CONTAINERS can be hazardous. Completely drain and have

Bottoms

commercially cleaned before ANY reuse. Keep containers and tanks closed. **DO NOT** use to mix or store any other materials before they have been commercially cleaned. **DO NOT CUT, WELD, DRILL OR SUBJECT CONTAINERS** to heat or flames, vapors may ignite and explode. H₂S OSHA PEL = 10 ppm.

This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either express or implied.

DOT TRANSPORTATION

Shipping Name: Fuel Oil

Hazard Class: Combustible liquid

ID Number: NA 1993

Marking: NA 1993 [see 49 CFR 172.336(c)(3)]

Label: None

Placard: Flammable, combustible or Fuel Oil
[see 49 CFR 172.544(c)]

Hazardous Substance/RQ: Not Applicable

Shipping Description: Fuel Oil, Combustible Liquid, NA 1993

Packaging References: 49 CFR 173.118(a)